TFT LCD MONITOR

USER MANUAL

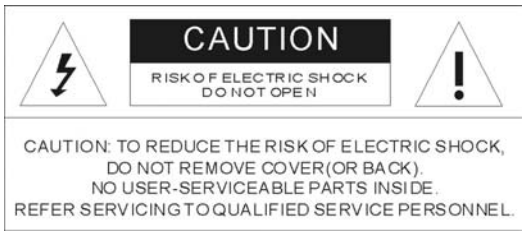
LCD84R

CE

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.
DO NOT INSERT ANY METALLIC OBJECT THROUGH VENTILATION GRILLS.

CAUTION:


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER(OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Explanation of Graphical Symbols

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Precautions

Safety----------

Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by the qualified personnel before operating it any further.

Unplug the unit from the wall outlet if it is not going to be used for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.

Allow adequate air circulation to prevent internal heat built-up. Do not place the unit on surfaces(rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.

Installation----------

Do not install the unit in an extremely hot or humid place or in a place subject to excessive dust or mechanical vibration.

The unit is not designed to be waterproof. Exposure to rain or water may damage the unit.

Cleaning----------

Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzene as they might damage the finish of the unit.

Retain the original carton and packing materials for safe transport of this unit in the future.

Safety Precautions

Federal Communications Commission (FCC) Statement

This Equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

● You are cautioned that changes or modifications not expressly approved by that party responsible for compliance could void your authority to operate the equipment.

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received including interference that may cause undesired

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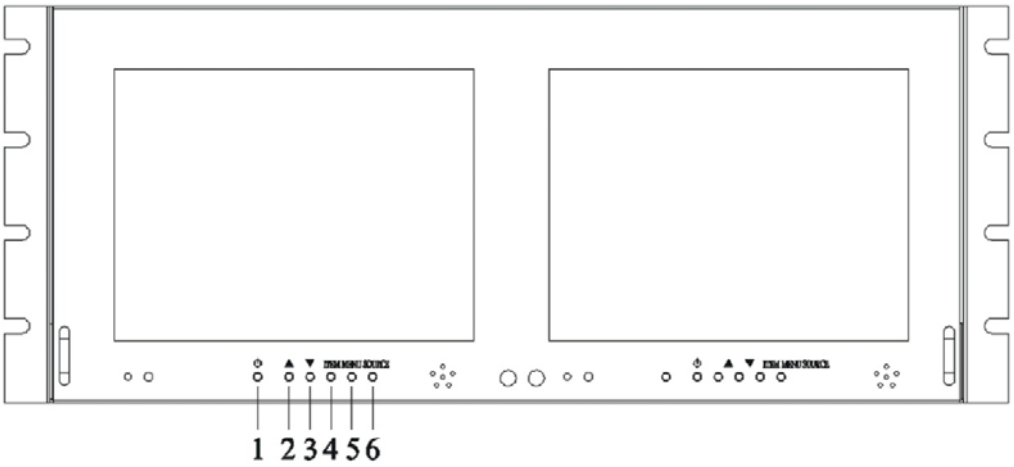
Features

- Compatible with VGA (640 x 480).SVGA(800x600).
- Automatic or manual detection of separate synchronize and composite synchronize of SVGA/VGA signal.
- 2 CH Composite video, IN/OUT,Y/C and D-sub Connector)
- High brightness of 450 cd/㎡
- High contrast.
- High quality Horizontal and Vertical Scaling with 2D De-interlacing for Display
- 2 CH AUDIO, IN/OUT.
- Video input support NTSC / PAL standard.
- Built-in high precision Y/C Input signal.
- Video out support auto termination (75 Ohms).
- Audio live-out function with stereo phone Jack output.
- Build-in 2W speaker (option).
- Support IR remote controller..
- User Friendly OSD.
- Wide Viewing Angle..

Operating Instructions



1. Power

Monitor power ON / OFF. At OFF mode, monitor will be at standby status.

LED-Green Light -- Power On

Red Light -- Standby mode

2. 3. Adjust ◁ / ▷

Increase or decrease the value on OSD menu.

◁ Increase value on the OSD Menu or turn ON / OFF function.

▷ Decrease value on the OSD Menu or turn ON / OFF function.

4. Item

Chose sub menu from Audio / Video.

Press again to enter selected option.

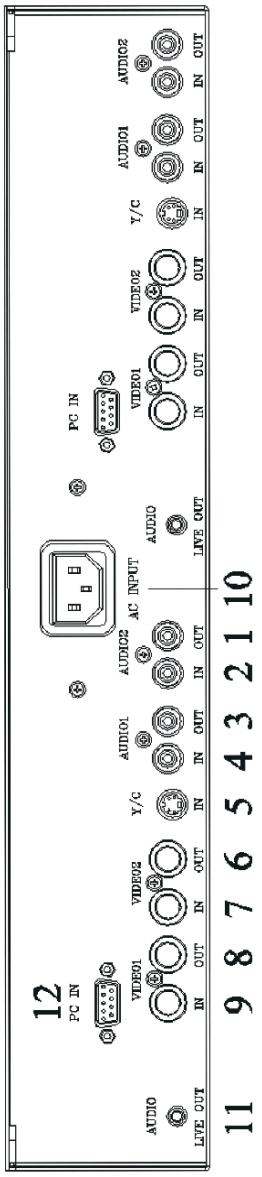
5. Menu

OSD menu ON / OFF control.

6. Source

Source Select input signal from AV1, AV2, S-Video or PC.

Connections



1 AUDIO 2 OUT
Audio looping outputs for AUDIO 2

2 AUDIO 2 IN
Audio Signal Input, this input is for AV2, PC or Y/C (refer to Note below)

3 AUDIO 1 OUT
Audio looping outputs for AUDIO 1

4 AUDIO 1 IN
Audio Signal Input, this input is for AV1

5 Y/C IN(S-Video)
Y/C separated signal Input

6 VIDEO 2 OUT
Video looping output for VIDEO 2

7 VIDEO 2 IN
Composite signal Input for VIDEO 2

8 VIDEO 1 OUT
Video looping output for VIDEO 1

9 VIDEO 1 IN
Composite signal Input for VIDEO1

10 AC Power Input

11 AUDIO LIVE OUT

12 PC VGA IN

NOTE:

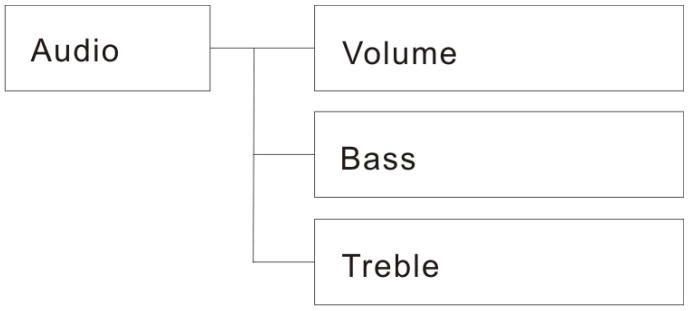
Connections of Audio

Audio (option)

	Audio 1	Audio 2
PC		V
AV1	V	
AV2		V
S-Video		V

OSD Architecture

A. Audio Function (Option) (Video / PC Function)



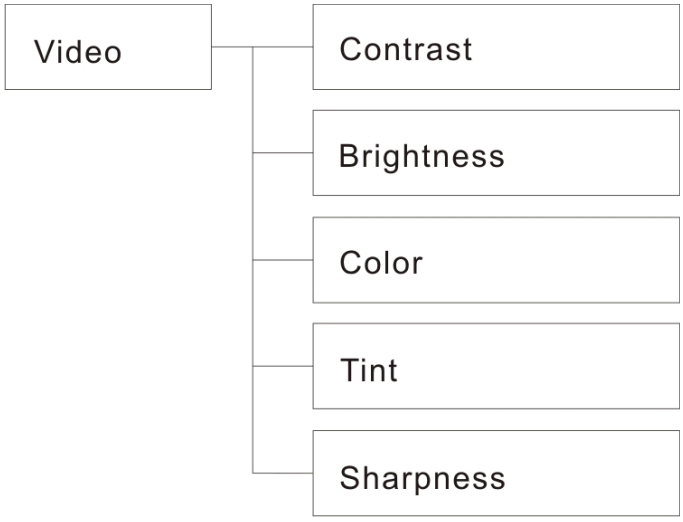
Press the MENU button to bring up the OSD Menu.
Press ◁ ▷ to select AUDIO. Then, press ITEM to choose functions that require adjustments.
As shown, press ◁ ▷ key to adjust.
Note: In remote control, press ⊙ ⊙ key to adjust.
UP DOWN
(After adjustment, the monitor will store new settings)

Volume
Controls built-in speakers' output volumes.

Bass
Audio bass adjustment.

Treble
Audio treble adjustment.

B. Video Function

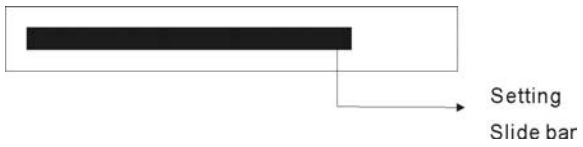


Under AV1, AV2, S-Video mode:
Press the MENU button to bring up the OSD Menu.
Press ◁ ▷ to select VIDEO. Then, press ITEM to choose functions that require proper adjustments.
As shown, press ◁ ▷ key to adjust.
Note: In remote control, press △ UP ▽ DOWN key to adjust.
(After adjustment, the monitor will store new settings)

Contrast :

Permits adjustment for contrast between light or dark areas of the picture.

Example:



Brightness :

Adjusts the overall picture shade and brightness.

Tip: Use the Brightness to make details in the dark areas of the picture to be just visible, and Contrast to "brighten" the picture without causing noises and foreheads to turn white.

Colour :

Adds colouring to the black and white picture content (of a colour signal), and is usually set for viewer's preference in colour saturation.

TINT:

Adjust all the colours on the screen, but is most noticeable to the eye in reds and yellows, and is also usually set for pleasing face tones.

Note: Appears in NTSC mode only.

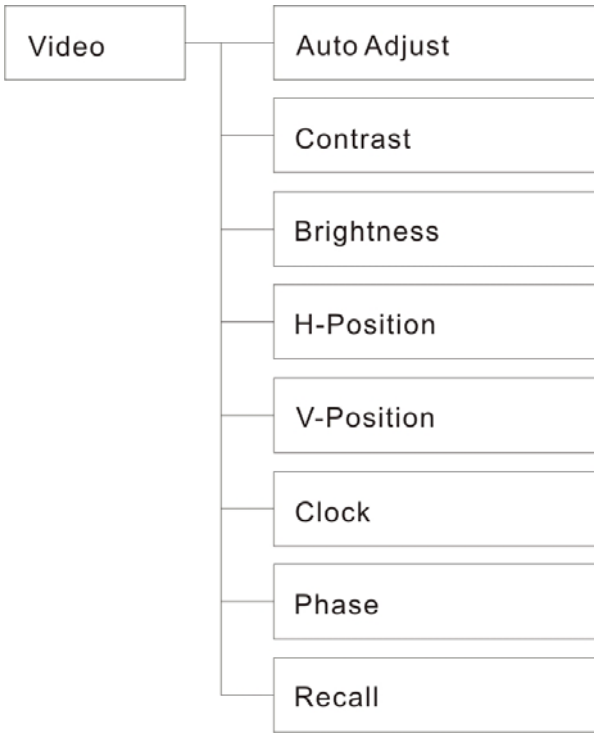
Sharpness :

Sets the desired sharpening enhancement to the picture.

3D Comb ("D" Model only)

Sets the desired comb filter function to ON or OFF.

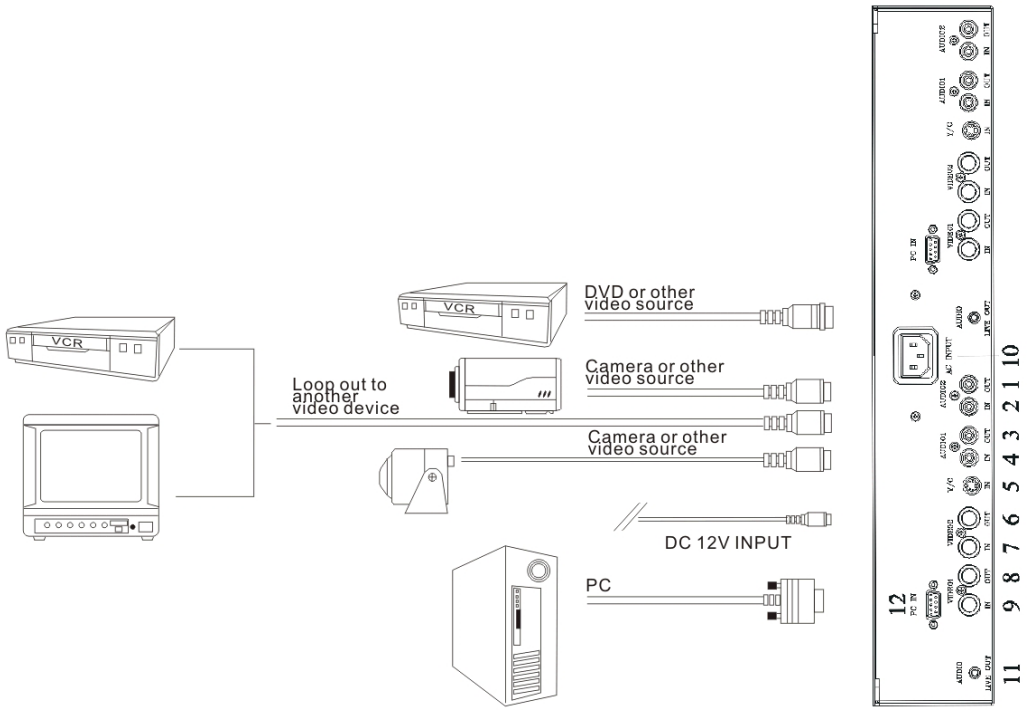
C. Video Function (PC Mode Only)



Under Image mode:
Press the MENU button to bring up the OSD Menu.
Press ◁ ▷ again to select IMAGE. Then, press ITEM to choose functions that require proper adjustments.
As shown, press ◁ ▷ key to adjust.
Note: In remote control, press ⊙ ⊙ key to adjust.
UP DOWN
(After adjustment, the monitor will store new settings)

Auto Adjust: Automatically selects the optimal settings for image parameters.
Contrast: Adjusts fore ground white level of the screen image.
Brightness: Adjusts background black level of the screen image.
H-Position: Controls the picture horizontal position.
V-Position: Controls the picture vertical position.
Clock: Adjust the internal pix clock lag in order to optimize the screen image.
Phase: Adjust the internal clock time lag in order to optimize the screen image.

Connecting Device


VCR
VCR
Loop out to another video device
DVD or other video source
Camera or other video source
Camera or other video source
DC 12V INPUT
PC
12 11 9 8 7 6 5 4 3 2 1 10

a. Connect PC to Monitor through VGA connector as shown on the above picture
b. Connect External device such as DVD or Game Player to Monitor as shown on the above picture
c. Connect CCD Camera 1 and 2 to Monitor through Video Input 1 and 2 (BNC Connect) as showing on the above picture
d. Support Resolution

800 x 600	60Hz
800 x 600	70Hz

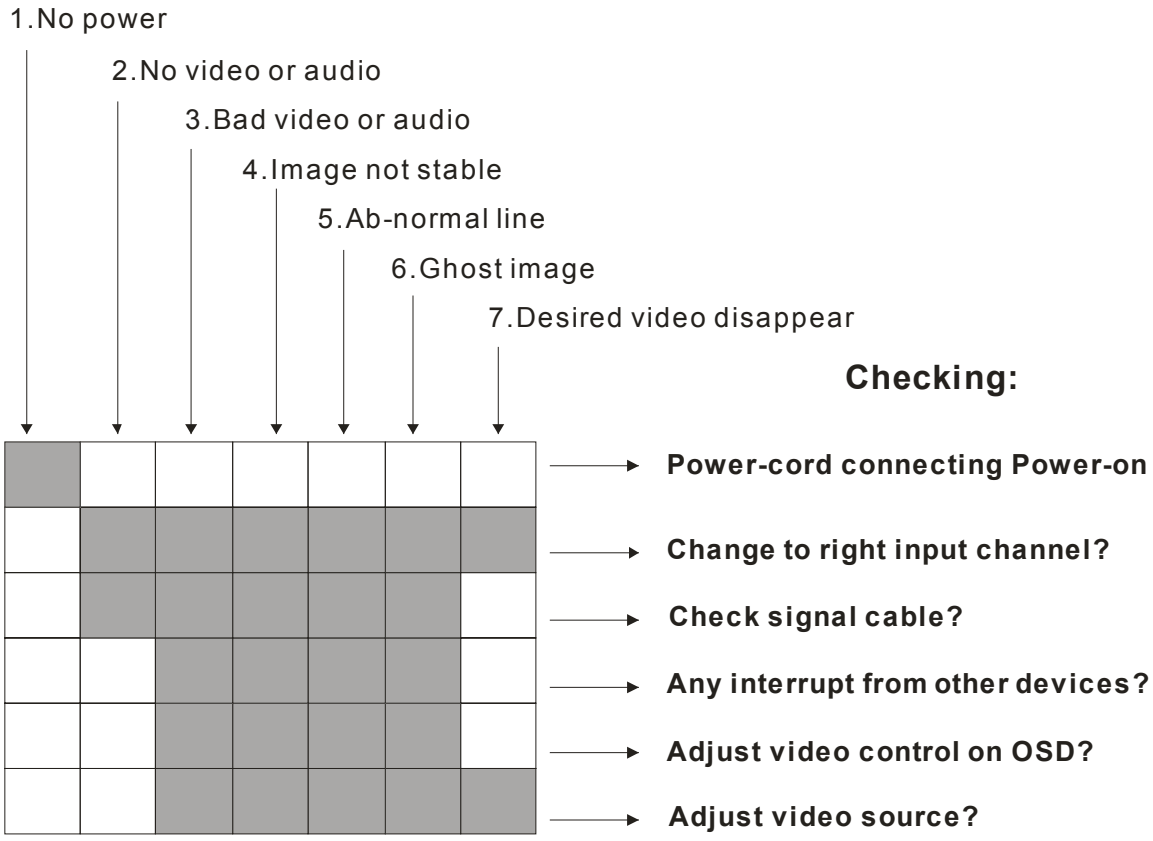
Specification

Model		**LCD84R**
LCD Panel		8.4" TFT
Display colour		16.7M
Display area		170.4 x 127.8mm
Resolution		800 x 600
Brightness		450cd/㎡ @6mA
Contrast Ratio		500:1 typ.
Response Time		Tr:10ms tf:25ms
View angle	**L/R**	60(left), 60(right)
	U/D	60(up), 40(down)
Input Signal		1.0 Vp.p Composite — BNC x 2 Input BNC x 2 Output(Auto Termination) VGA — D-Sub 15Pin Input S-VIDEO — 4Pin Mini Din x1 Input
Audio In/Out(option)		RCA x 2 set Input RCA x 2 set Output
Operating		OSD
Power Supply		AC 100~240V 50/60Hz
Power Consumption		10.5W
Dimension		480 x 189.2 x 161.2
Weight		4.3kg
Temperature		0~50℃
Humidity		20%~80%

Appendixes

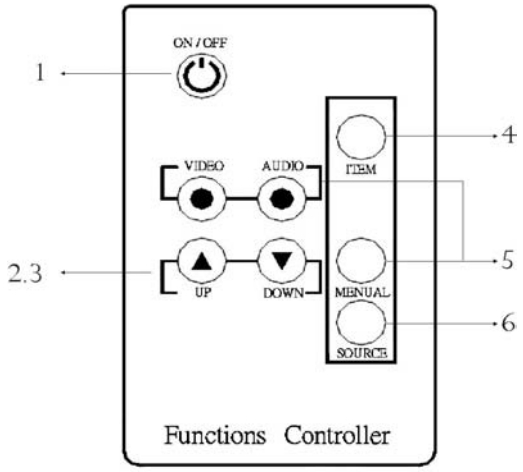
A. TROUBLE SHOOTING

Problem:



Package List

A. LCD Monitor	x 2
B. Power Cord	x 1
C. DB15-DB15 VGA Cable x1	x 2 Optional
1/8" male to 1/8" male audio cable	x 2 Optional
D. User Manual	x 1
E. Remote Control	x 1



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⇧ Increase value on the OSD Menu or turn ON / OFF function.

⇩ Decrease value on the OSD Menu or turn ON / OFF function.

4. Item

Chose sub menu from Audio / Video .

Press again to enter selected option

5. Menu

VIDEO/ AUDIO control.

6. Source

Select input signal from AV1, AV2, S-Video or PC.